This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.



Docket No.: VPI/02-05 US

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

	SULFHYDA	NTOINS AS PHOSP	HATE ISOSTE	ERES	
the specificat	ion of which				
(check one)	[] is attached hereto				
	[X] was filed on Decen	nber 30, 2003	as A	pplication	
	No. <u>10/749,121</u> (if applicable)	and was amend	led on	·	
	that I have reviewed and us claims, as amended by any			lentified specificati	ion,
	and do not believe that the any country before my or				į
I do not know America more	and do not believe that the than one year prior to this	invention was in pub application.	lic use or on sal	e in the United Sta	tes of
	e the duty to disclose to the to be material to patentabil				
application(s) foreign applic	n foreign priority benefits un for patent or inventor's cer sation for patent or inventor rity is claimed:	tificate listed below ar	nd have also ide	ntified below any	ation
Prior Foreign	Application(s)		·	Priority <u>Claimed</u>	
Number)	(Country)	(Day/Month/	Year Filed)	[] [] Yes No	

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

60/437,572 December 30, 2002
(Application Serial No.) (Filing Date)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or under § 120 and § 365(c) of the same Title of any international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations; § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

PCT/US03/41630	December 30, 2003	Pending
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

As a named inventor, I hereby appoint the following attorneys or agents to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith:

Steven Nesbitt, Reg. No. 28,981	
Nandakumar Govindaswamy - Ltd. Recogni	tion
Lisa Dixon, Reg. No. 40,995	
Karoline K. M. Shair, Reg. No. 44,332	
Michael C. Badia, Reg. No. 51,424	

Send correspondence to:

Nandakumar Govindaswamy

VERTEX PHARMACEUTICALS INCORPORATED

130 Waverly Street

Cambridge, MA 02139-4242

Direct telephone calls to:

Nandakumar Govindaswamy

(617) 444-6619

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor	
First Inventor's signature	
Residence 164 Parker Street, Acton, MA 01720	Date
Citizenship US	
Post Office Address Same as above	
Full name of second inventor Gregory F. Miknis	
Second Inventor's signature Degay F MA	3/26/0+
Residence 1121 Ridgeview Circle, Broomfield, CO 80020	Date
Citizenship US	
Post Office Address Same as above	
Full name of third inventor	
Third Inventor's signature Jame 7 Male	3/26/2004
Residence 2435 Mallard Circle, Longmont, CO 80504	Date
Citizenship US	_
Post Office Address Same as above	
Full name of fourth inventor	
Fourth Inventor's signature	
Residence	Date
Citizenship	
Post Office Address	



Docket No.: VPI/02-05 US

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name;

As a below name.	office address and citizenshi	p are as stated by the part of
	st office address and or	or (if only one name is listed below) or an original, of the subject matter which is claimed and intitled: ONLY AS PHOSPHATE ISOSTERES
My residence, P	s at and sole invent	or (if only of the subject matter with
	original, list armes are liste	d below)
I believe I dist in	entor (if plural invention e	ntilleu.
first and joint	conginal, here names are listed the control of plural names are listed to the invention entry is sought on the invention entry in FHYDANTC	TIS AS PHOSPHATE ISOSTEAD
for Willow - P	SULFHYDANTO	ntitled: DINS AS PHOSPHATE ISOSTERES
	5022	
the specification	on of which	
the specificant	and hereto	as Application
(check one)	[] is attached hereto	as 2003
(check one)	Fled on December	<u>r 30, 2003</u>
	[X] was filed on December	and was amended on
	.0/7/0 121	
	No. 10/1451	
	(it applicable)	subspace-identified specification
		derstand the contents of the above-identified specification, amendment referred to above. Sign was ever patented or described in any printed the order one year prior to this
	that I have reviewed and un	derstand the contents of the examendment referred to above. amendment referred to above. invention was ever patented or described in any printed our invention thereof or more than one year prior to this our invention thereof or more than one year prior to this
I hereby sta	te that I have as amended by any	amonated or described in any plant
including th	le Claime, —	invention was ever patentee than one year prior to
I do not kn	in any country before my or	the United States of
publication) III	in public use or on sale in the
ما مید	now and do not believe that the	the invention was a size invention with a specific application. The United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office all information in the United States Patent and Trademark Office Information in the United States Patent and Trademark Office Information in the United States Patent Information In
I do not a	more than one year prior to	Patent and Trademark Office Regulations, 9
America	singlese to t	he United States Patent and Trademark Office all information he United States Patent and Trademark Office all information he United States as defined in Title 37, Code of Federal Regulations, § billity as defined in Title 37, Code of Federal Regulations, § 119 of any foreign was 35. United States Code, § 119 of any foreign the identified below any treation.
T1cn∩V	ledge the duty to disclose the	bility as defined in Assault
l acknown b	y me to be material to put	Sala 8 119 of any foreign
1.56.	•	Title 35. United States Code, 8 2 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2
1.50.	a im priority benefit	is under Title 35, United States Code, § 119 of any foreign certificate listed below and have also identified below any certificate listed below and filing date before that of the application intor's certificate having a filing date before that of the application
I hereby	y claim foreign protection's	certificate having a filing that
applica	tion(s) for patent or inve	ntors certification
foreign	application for Parish application for priority is claimed:	
Olf Am		Priority
	Application(s)	Claimed
Prior !	Foreign Application(s)	a II
		No.
		(Day/Month/Year Filed) Yes No
		(Day/Monus 2 2
	nber) (Country	,
(Nm	дост)	
		•

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

60/437,572 December 30, 2002
(Application Serial No.) (Filing Date)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or under § 120 and § 365(c) of the same Title of any international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

PCT/US03/41630 (Application Serial No.)	December 30, 2003 (Filing Date)	Pending (Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

As a named inventor, I hereby appoint the following attorneys or agents to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith:

Steven Nesbitt, Reg. No. 28,981	
Nandakumar Govindaswamy - Ltd. Recognition	
Lisa Dixon, Reg. No. 40,995	
Karoline K. M. Shair, Reg. No. 44,332	
Michael C. Badia, Reg. No. 51,424	•

Send correspondence to:

Nandakumar Govindaswamy

VERTEX PHARMACEUTICALS INCORPORATED

130 Waverly Street

Cambridge, MA 02139-4242

Direct telephone calls to:

Nandakumar Govindaswamy

(617) 444-6619

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor	<u> </u>
First Inventor's signature My Saule	08/03/04
Residence 164 Parker Street, Acton, MA 01720	Date
Citizenship US	
Post Office Address Same as above	
Full name of second inventor Gregory F. Miknis	
Second Inventor's signature	
Residence 1121 Ridgeview Circle, Broomfield, CO 80020	Date
Citizenship US	
Post Office Address Same as above	
Full name of third inventor James F. Blake	·
Third Inventor's signature	
Residence 2435 Mallard Circle, Longmont, CO 80504	Date
Citizenship US	
Post Office Address Same as above	
Full name of fourth inventor	
Fourth Inventor's signature	
Doridana	Date
Citizenship	
Post Office Address	



BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE UNITED STATES PATENT AND TRADEMARK OFFICE

LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)

Nandakumar Govindaswamy is hereby given limited recognition under 37 CFR §10.9(b) as an employee of Vertex Pharmaceuticals, Inc. to prepare and prosecute patent applications wherein the patent application is assigned to Vertex Pharmaceuticals, Inc., and the attorney or agent of record in the applications is a registered practitioner who is an employee of Vertex Pharmaceuticals, Inc. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Nandakumar Govindaswamy ceases to lawfully reside in the United States, (ii) Nandakumar Govindaswamy's employment with Vertex Pharmaceuticals, Inc. ceases or is terminated, or (iii) Nandakumar Govindaswamy's current Employment Authorization card expires.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

Expires: December 1, 2004

Harry Moatz.

Director of Enrollment and Discipline